

Product datasheet for **TA336412**

TLR3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	Dot, FC, IHC, WB
Recommended Dilution:	Flow (Cell Surface), Flow (Intracellular): 1 ug/1 million cells, Immunohistochemistry-Frozen: 1:20-1:1000, Immunohistochemistry-Paraffin: 1:100, Knockdown Validated, Dot Blot, Immunohistochemistry: 1:20-1:1000, Flow Cytometry: 1 ug/10 ⁶ cells, Western Blot: 1-3 ug/ml
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A mix of synthetic peptides corresponding to amino acids 135-150 (SIHKIKSNPFKNQKNL), 828-844 (CRRFKVHHAVQQAIEQN), and 876-891 (CILNWPVQKERINAFH) of mouse TLR3.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	104 kDa
Gene Name:	toll like receptor 3
Database Link:	NP_003256 Entrez Gene 142980 Mouse Entrez Gene 7098 Human O15455



[View online »](#)

Background:

The Toll-like receptor (TLR) family in mammal comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Like its counterparts in *Drosophila*, TLRs signal through adaptor molecules and could constitute an important and unrecognized component of innate immunity in humans. The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition. TLRs characterized so far activate the MyD88/interleukin-1 receptor-associated kinase (IRAK) signaling pathway. Ten human homologs of TLRs (TLR1-10) have been described. mTLR3 cDNA codes for a protein with approximate molecular weight of 100 kDa. TLR3 has a restricted expression pattern being expressed in dendritic cells (DC). TLR3 mRNA expression was detected by in situ hybridization in DC and lymph nodes. The expression of TLR3 in a single cell type may indicate a specific role for this molecule in a restricted setting.

Synonyms:

CD283; IIAE2

Note:

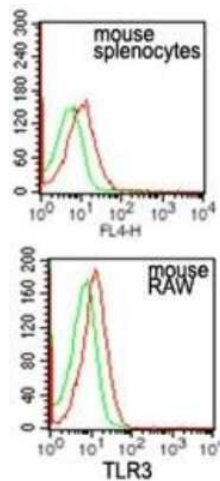
Flow Cytometry (Cell Surface): see Pawar et al. (2006) for details
Flow Cytometry (Intracellular): 1 $\mu\text{g}/10^6$ cells
Immunohistochemistry-Frozen: see Pawar et al, 2005 for details.
Immunohistochemistry-Paraffin: 1:50 (see Patol et al, 2005 for details)

Protein Families:

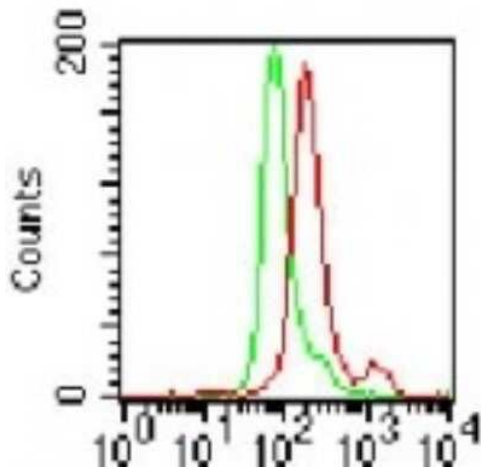
Druggable Genome, Transmembrane

Protein Pathways:

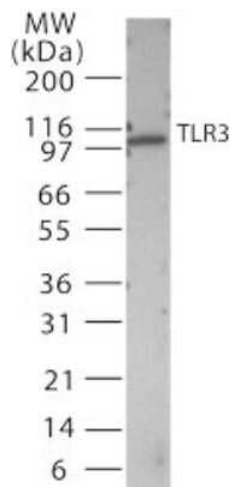
Toll-like receptor signaling pathway

Product images:

Flow Cytometry: TLR3 Antibody TA336412 - Intracellular flow analysis of TLR3 in Balb/c mouse splenocytes and mouse RAW cells using TLR3 antibody (red) and isotype control antibody (green) at $1 \mu\text{g}/10^6$ cells.



Flow Cytometry: TLR3 Antibody TA336412 - Analysis using the FITC conjugate of TA336412. Staining of TLR3 in Balb/c mouse splenocytes using this antibody at 1 ug/10⁶ cells. Green represents rabbit IgG isotype control this antibody; red represents anti-TLR3 antibody.



Western Blot: TLR3 Antibody TA336412 - Analysis of TLR3 in mouse spleen tissue lysate using TA336412 at 2 ug/ml.